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WHAT IS CLAIMED IS:

1. A transport member essentially consisting of fiber-reinforced plastic,

wherein said fiber-reinforced plastic comprises:

5 at least one first layer containing a unidirectional reinforced fiber, oriented by  $-20^{\circ}$  to  $+20^{\circ}$  with respect to a longitudinal direction of said transport member, having a tensile elasticity of 500 to 1000 GPa; and

10 at least one second layer containing a unidirectional reinforced fiber, oriented by  $+75^{\circ}$  to  $+90^{\circ}$  and/or  $-75^{\circ}$  to  $-90^{\circ}$  with respect to said longitudinal direction of said transport member, having a tensile elasticity of 200 to 400 GPa.

15 2. A transport member according to claim 1, wherein said fiber-reinforced plastic further comprises at least one third layer containing a unidirectional reinforced fiber, oriented by  $+30^{\circ}$  to  $+60^{\circ}$  and/or  $-30^{\circ}$  to  $-60^{\circ}$  with respect to said longitudinal direction of said transport member, having a tensile elasticity of 500 to 1000 GPa.

20 3. A transport member comprising skin and core layers essentially consisting of a fiber-reinforced plastic;

wherein said skin layer comprises at least two first layers containing a unidirectional reinforced fiber, oriented by  $-20^{\circ}$  to  $+20^{\circ}$  with respect to a longitudinal direction of said transport member, having a tensile elasticity of 500 to 1000 GPa.

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4. A transport member according to claim 3, wherein said core layer comprises at least two second layers containing a unidirectional reinforced fiber, oriented by +75° to +90° and/or -75° to -90° with respect to said longitudinal direction of said transport member, having a tensile elasticity of 200 to 400 GPa; or at least one third layer containing a unidirectional reinforced fiber, oriented by +30° to +60° and/or -30° to -60° with respect to said longitudinal direction of said transport member, having a tensile elasticity of 500 to 1000 GPa.

5. A transport member comprising laminated skin and core layers made of carbon-fiber reinforced plastic;

wherein said skin layer comprises:

a first layer containing a first carbon fiber, oriented by an angle range of -20° to +20° with respect to a longitudinal direction of said transport member, having a tensile elasticity of 500 to 1000 GPa; and

a second layer containing a second carbon fiber, oriented by an angle range of +75° to +90° and/or -75° to -90° with respect to said longitudinal direction, having a tensile elasticity of 200 to 400 GPa.

6. A transport member according to claim 1, 3, or 5, wherein said transport member has a bending elasticity of 200 to 800 GPa in said longitudinal direction, and a bending elasticity of 30 to 100 GPa in a transverse direction thereof.

7. A transport member according to claim 3 or 5,

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wherein said transport member satisfies the relationship represented by the following expression (1):

$$(T_s + T_c) \times 0.2 \leq T_s \leq (T_s + T_c) \times 0.4 \quad (1)$$

where

5             $T_s$  is the thickness of said skin layer; and

$T_c$  is the thickness of said core layer.

8.        A transport member according to claim 3 or 5, wherein said first layer in said skin layer has a volume of 20 to 100 vol% in said skin layer.

10            9.        A transport member according to claim 4 or 5, wherein said second layer has a volume of 0 to 80 vol% in said skin layer.

15            10.       A transport member according to claim 4, wherein said third layer in said core layer has a volume of 0 to 20 vol% in said core layer.

11.        A transport member according to claim 1, 3, or 5, wherein said transport member has a logarithmic vibration damping factor of 0.01 to 0.05 against bending vibration.

20            12.       A transport member according to claim 3 or 5, wherein said core layer has a bulk specific gravity falling within the range of 0.03 to 1.7 and smaller than that of said skin layer.

25            13.       A transport member according to claim 5, wherein said core layer comprises a honeycomb, a porous body, a corrugated sheet, a fiber-reinforced plastic, or a resin sheet.